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|       |    |    |     |    |

Application/Control No.

Applicant(s)/Patent under Reexamination

10/051,635

Art Unit

Examiner

DELEGGE, RONALD L.

Ramsey Refai

2154

| 1 | Rejected |
|---|----------|
|   | Allowed  |

(Through numeral) Cancelled Restricted

Non-Elected N Interference

Appeal Α 0 Objected

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| Cla  | im   | Date                                     |          |                  |              |  |  |          |              |                 |
| Final  | Original   | 6/10/05                                  |          |                  |              |  |  |          |              |                 |
|  | 1  | 1  |          |                  |              |  |  |          |              | $\sqcap$        |
|  | 2  | 1  |          |                  |              |  |  |          |              | $\neg$          |
|  | 3  | 1  |          |                  |              |  |  |          |              |                 |
|  | 1<br>2<br>3<br>4<br>5                              | 1  |          |                  |              |  |  |          |              |                 |
|  | 5  | √  |          |                  |              |  |  |          |              |                 |
|  | 6  | 1  | L.,      |                  |              |  |  |          | $\Box$       |                 |
|  | 6<br>· 7<br>8                                      | V  | _        | $\vdash$         |              | $\Box$   |  |          |              | Щ               |
| <u> </u>   | 9  | V  | ┝        | $\vdash$         |              |  | -  |          |              | Н               |
|  | 10   | 7  | $\vdash$ |                  |              | $\vdash$   |  |          |              | -               |
|  | 11   | 1  | $\vdash$ | H                | _            | $\vdash$   | $\vdash$   | _        | -            | $\dashv$        |
|  | 12   | V  | $\vdash$ |                  | -            | Н  | $\vdash$   | $\vdash$ | Н            | $\dashv$        |
|  | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | ファ | H        | $\vdash$         |              | H  | Н  |          | -            |                 |
|  | 14   | Ť  | $\vdash$ |                  |              | H  |  | <u> </u> | Н            | $\vdash$        |
|  | 15   | V  |          |                  |              |  |  |          |              |                 |
|  | 16   | 1  |          |                  |              |  |  |          |              |                 |
|  | 17   | 1  |          |                  |              |  |  |          |              |                 |
|  | 18   | 1  |          |                  |              |  |  |          |              |                 |
|  | 19   | 1  | 匚        |                  |              |  |  |          | ļ            |                 |
|  | 20   | 1  |          | _                |              |  |  | _        |              | Щ               |
|  | 21   | <u> </u>                                 | <u> </u> | <u> </u>         | _            | _  |  |          | <u> </u>     | Ш               |
|  | 21<br>22<br>23                                     | ⊢  | ⊢        | ┝                | _            |  | _  | $\vdash$ | ⊢            | Н               |
|  | 24   | $\vdash$                                 | ┝╌       | <del> </del>     |              | -  |  | $\vdash$ | -            | Н               |
|  | 24<br>25   |  | ┢        | -                | _            | $\vdash$   |  | $\vdash$ | ╫─           | $\vdash \vdash$ |
|  | 26   |  | $\vdash$ | -                |              | $\vdash$   |  |          | ┢╾           | Н               |
|  | 26<br>27<br>28<br>29                               |  |          |                  |              |  |  |          | ·            |                 |
|  | 28   | Π  |          |                  |              |  |  | _        |              | П               |
|  | 29   |  |          |                  |              |  |  |          |              |                 |
|  | 30   |  | L        |                  |              |  |  |          |              | Ш               |
|  | 31   | <u> </u>                                 | <u> </u> |                  |              | L  |  | <u> </u> | <u> </u>     | Ш               |
| <u> </u>   | 32<br>33   | <b> </b>                                 | <u> </u> | <del> </del>     |              | $\vdash$   | <u> </u>   | $\vdash$ | ├-           | Н               |
|  | 33   | -  | H        | $\vdash$         | <u> </u>     | -  | <u> </u>   |          | $\vdash$     | $\vdash$        |
|  | 34<br>35   | $\vdash$                                 | ├        | -                | <del> </del> |  | <del> </del>                                     | ├─       | $\vdash$     | Н               |
| <del>                                     </del> | 36   | $\vdash$                                 | $\vdash$ | ┢                | ļ            | H  | H  | $\vdash$ | -            | $\vdash$        |
| <del>                                     </del> | 37   | $\vdash$                                 |          |                  | <u> </u>     |  | -  | $\vdash$ | -            | Н               |
| $\vdash$   | 38   | Τ  |          | $I^-$            | $\vdash$     |  | П  | Г        | Т            | П               |
|  | 39   |  |          |                  |              |  |  |          |              |                 |
|  | 40   |  |          |                  |              |  |  |          |              |                 |
|  | 41   | 匚  |          | L                |              | L  | L  | Ĺ        | L            |                 |
|  | 42   | <u> </u>                                 | $\vdash$ | <u> </u>         |              | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | $oxed{oxed}$                                     |          | _            |                 |
| <u> </u>   | 43   | ⊢-                                       | <u> </u> | <u> </u>         | <u> </u>     | <u> </u>   | ļ  | <u> </u> | <u> </u>     | <u> </u>        |
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| <u> </u>   | 45<br>46   | -  | -        | <del>  -  </del> | ┝            | -  | <u> </u>   | -        | -            | $\vdash$        |
|  | 46   | ┢  | ╁        | $\vdash$         | ┝            | $\vdash$   | -  | $\vdash$ | $\vdash$     | $\vdash$        |
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| <b>—</b>   | 49   | 1  | $\vdash$ | $\vdash$         | -            | <del>                                     </del> | <del>                                     </del> |          | <del> </del> | $\vdash$        |
|  | E0   | +  | ╁╌       | ├                | -            | ┢  | $\vdash$   | -        | ╁            | ╁╌              |

| Cla          | im                                     | Date     |          |                  |                                     |  |          |          |              |              |
|--------------|--|----------|----------|------------------|-------------------------------------|--|----------|----------|--------------|--------------|
|              |  |          |          |                  |                                     |  |          |          |              |              |
| Final        | Original                               |          |          |                  |                                     |  |          |          |              |              |
|              | 51                                     |          |          |                  |                                     |  |          |          |              |              |
|              | 52<br>53                               |          |          |                  |                                     |  |          |          |              |              |
|              | 53                                     |          |          |                  |                                     |  |          |          |              |              |
|              | 54                                     |          |          |                  |                                     |  |          |          |              |              |
|              | 55                                     | _        | _        |                  |                                     |  |          |          |              |              |
|              | 56                                     | _        | _        |                  | $\Box$                              |  |          |          |              |              |
|              | 57                                     | _        |          |                  |                                     | Щ  |          |          |              | $\Box$       |
| <u> </u>     | 58                                     |          |          |                  | -                                   |  |          |          |              | Ш            |
|              | 59                                     | -        |          | _                | _                                   | _  |          | _        | _            |              |
|              | 60<br>61                               | $\dashv$ |          |                  | -                                   |  |          |          | -            |              |
| $\vdash$     | 62                                     | $\vdash$ |          | Н                | Н                                   | -  |          |          |              | H            |
| <b></b>      | 63                                     | $\vdash$ |          | H                | $\dashv$                            | Н  | -        | $\vdash$ | $\vdash$     |              |
| <del> </del> | 64                                     | $\dashv$ | $\dashv$ |                  | $\dashv$                            | Н  | -        | _        | $\vdash$     | $\vdash$     |
|              | 65                                     | $\vdash$ | $\dashv$ |                  |                                     |  |          |          |              |              |
|              | 66                                     |          |          |                  |                                     |  |          |          |              |              |
|              | 66<br>67                               |          |          |                  |                                     |  |          |          |              |              |
|              | 68                                     |          |          |                  |                                     |  |          |          |              |              |
|              | 69                                     |          |          |                  |                                     |  |          |          |              |              |
|              | 70                                     |          |          |                  |                                     |  |          |          |              |              |
| <u> </u>     | 71                                     |          |          |                  |                                     |  |          |          |              |              |
| ·:           | 72                                     |          |          |                  |                                     | Ь.   | _        | $\Box$   | <u> </u>     | L            |
| <u> </u>     | 73                                     |          |          | _                | _                                   | _  | _        |          |              |              |
| <b>├</b>     | 74                                     | Н        |          |                  |                                     | H  | _        | _        | <u> </u>     | -            |
| <u> </u>     | 70<br>71<br>72<br>73<br>74<br>75<br>76 | Н        |          | <u> </u>         | ļ                                   |  | _        | -        |              | _            |
| <u> </u>     | 77                                     | Н        |          |                  | -                                   | $\vdash$   |          | -        |              | -            |
|              | 78                                     | -        | -        |                  | -                                   | -  |          | $\vdash$ | $\vdash$     |              |
|              | 79                                     |          |          | -                | -                                   | $\vdash$   |          | ┢        | $\vdash$     |              |
|              | 80                                     |          |          |                  |                                     |  |          | $\vdash$ | $\vdash$     |              |
|              | 81                                     |          |          |                  |                                     |  |          |          |              |              |
|              | 82<br>83                               |          |          |                  |                                     |  |          |          |              |              |
|              | 83                                     |          |          |                  |                                     |  |          |          | L            |              |
|              | 84                                     |          |          |                  | L                                   | <u> </u>   |          | <u> </u> | <u> </u>     | L            |
|              | 85                                     | Ш        |          | <u> </u>         | <u> </u>                            | <u> </u>   | <u> </u> | <u> </u> | <del> </del> | <u> </u>     |
| <u> </u>     | 86                                     |          | _        | $\vdash$         |                                     | <u> </u>   | _        | ⊢        | ├-           | <del> </del> |
| <b> </b>     | 87<br>88                               | -        | H        | ┝                |                                     | ⊢  | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$     |
| $\vdash$     | 89                                     | $\vdash$ | -        | ├                | $\vdash$                            | $\vdash$   | $\vdash$ | ├-       | ⊢            | $\vdash$     |
| <u> </u>     | 90                                     | $\vdash$ |          | $\vdash$         | H                                   | $\vdash$   | $\vdash$ | -        | -            | ┢╌           |
| <b> </b>     | 91                                     | $\vdash$ |          | Н                | Н                                   | <del>                                     </del> | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$     |
|              | 92                                     |          | _        | $\vdash$         | $\vdash$                            |  | Т        |          |              | <u> </u>     |
|              | 93                                     |          |          |                  | Г                                   | Г  |          | Π        |              |              |
|              | 94                                     |          |          |                  |                                     |  |          |          |              |              |
|              | 95                                     |          |          |                  |                                     |  |          |          |              |              |
|              | 96                                     |          |          | 匚                |                                     |  | Ĺ        |          |              |              |
|              | 97                                     | L.       |          | $ldsymbol{oxed}$ | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _  | L        |          | <u> </u>     | L            |
| <u></u>      | 98                                     | Ш        | Щ.       | <u> </u>         |                                     |  | L        | _        | <u> </u>     | <u> </u>     |
| L            | 99                                     |          |          |                  |                                     |  | l        |          | 1            |              |

| Cli  | aim                                    | Date     |              |          |          |  |  |          |                                     |          |
|--|--|----------|--------------|----------|----------|--|--|----------|-------------------------------------|----------|
|  |  |          |              |          |          |  |  |          |                                     | $\neg$   |
| Final  | Original                               |          |              |          |          |  |  |          |                                     |          |
|  | 101<br>102<br>103                      |          |              |          |          |  |  |          |                                     |          |
|  | 102                                    |          |              | <u> </u> |          | Н                                      |  |          | _                                   | Н        |
|  | 103                                    |          |              | Н        |          | -                                      |  |          |                                     | $\dashv$ |
| <u> </u>   | 104                                    |          | _            | Н        |          | -                                      |  |          | _                                   | -        |
| $\vdash$   | 105<br>106                             | $\vdash$ | _            | Н        |          | $\dashv$                               |  |          | ⊢                                   | -        |
| <u> </u>   | 107                                    | ⊢        | ┢─           | $\vdash$ |          | _                                      |  |          | -                                   | $\dashv$ |
|  | 108                                    | -        | -            | $\vdash$ |          | _                                      |  |          |                                     |          |
|  | 109                                    | _        | -            | Н        |          |  |  |          |                                     |          |
|  | 110                                    |          |              |          |          |  |  |          | $\vdash$                            |          |
|  | 111                                    |          |              |          |          |  |  |          |                                     |          |
|  | 112                                    |          |              |          |          |  |  |          |                                     |          |
|  | 113                                    |          |              |          |          |  |  |          |                                     |          |
|  | 114<br>115                             | L        |              |          |          |  |  |          | $\Box$                              |          |
|  | 115                                    |          |              |          |          |  |  |          |                                     | Ш        |
|  | 116<br>117                             | <u> </u> | <u> </u>     | L        |          | <u> </u>                               |  |          | _                                   |          |
|  | 117                                    | _        | _            |          |          | _                                      |  | <u> </u> | _                                   | Н        |
|  | 118                                    | _        |              |          |          |  |  | <u> </u> | _                                   | Н        |
|  | 119<br>120                             |          | $\vdash$     |          |          |  |  | _        | ⊢                                   | Н        |
|  | 120                                    | ⊢        | ⊢            | -        | -        | $\vdash$                               | _  | ⊢        | ┢                                   | Н        |
| _  | 122                                    |          | $\vdash$     | -        | $\vdash$ | $\vdash$                               | $\vdash$   | -        | -                                   | Н        |
| $\vdash$   | 121<br>122<br>123<br>124<br>125<br>126 | $\vdash$ | ┢╌           | $\vdash$ | $\vdash$ | -                                      | H  | -        | <del>  -</del>                      | Н        |
| <del>                                     </del> | 124                                    | ┢        | <del> </del> |          | -        | -                                      |  | -        | $\vdash$                            | Н        |
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|  | 126                                    |          |              |          |          |  | $\vdash$   | $\vdash$ | $\vdash$                            | П        |
|  | 127                                    |          | Г            |          |          |  |  |          |                                     |          |
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|  | 130<br>131                             |          | L            |          |          |  |  |          | L                                   |          |
| L  | 131                                    | L        |              |          | _        |  |  |          |                                     |          |
|  | 132<br>133                             |          | ╙            | L        | <u> </u> | lacksquare                             | _  | _        |                                     | Ш        |
|  | 133                                    | _        | _            | _        | <u> </u> | <u> </u>                               | <u> </u>   | <u> </u> | _                                   | Н        |
|  | 134                                    | ⊢        | ⊢            | <u> </u> | ├        | -                                      | <u> </u>   | ⊢        | <u> </u>                            | <u> </u> |
|  | 135                                    | ⊢        | -            | ├        |          | -                                      | $\vdash$   | ⊢        | -                                   | -        |
|  | 136<br>137                             | ├        | ├-           | ⊢        | ┝        | ┝                                      | -  | ┢        | -                                   | -        |
| <b></b>  | 138                                    | -        | ┢            | ┢        | $\vdash$ | ⊢                                      |  | -        | ┝                                   | Н        |
| $\vdash$   | 138<br>139                             | $\vdash$ | -            | ╁        | -        | $\vdash$                               |  |          |                                     | H        |
| <b>-</b>   | 140                                    | <u> </u> |              | T        |          | H                                      | <del>                                     </del> |          | T                                   | Н        |
| <u> </u>   | 141                                    | T        |              |          |          | Т                                      |  |          |                                     |          |
|  | 142                                    | Π        | T            | $\vdash$ |          |  | Г  | Γ        |                                     | П        |
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|  | 146                                    | <u> </u> |              | <u>L</u> | _        |  |  | $\Box$   |                                     | Ш        |
| <u> </u>   | 147                                    |          | $oxed{\Box}$ | L        | <u> </u> | L                                      | <u> </u>   | L        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш        |
|  | 148                                    | ┞        | L            | ऻ_       |          | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | <u> </u>   | L        | <u> </u>                            | Ш        |
|  | 149                                    | _        | <u> </u>     | <u> </u> |          | L                                      | _  | _        | <u> </u>                            |          |
| L  | 150                                    | <u>L</u> | <u> </u>     | <u></u>  | L_       | 乚                                      |  | L        | L                                   | L        |